

FACILITY STATUS CHANGE FORM

Date Submitted: April 2, 2013 Originator: Chris Strand Phone: 554-2720	Area: 300 Area Facility ID: 3718E and 3718G Action Memorandum: Action Memorandum #2	Control #: D4-300-034-1
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This form documents agreement among the parties listed below on the status of the facility D&D operations and the disposition of underlying soil in accordance with the applicable regulatory decision documents.

Section 1: Facility Status

- ☒ All D4 operations required by action memo complete.
- ☐ D4 operations required by action memo partially complete, remaining operations deferred.

Description of Completed Activities and Current Conditions:

Deactivation: Utility isolations were performed on the facility prior to beginning removal actions.

The following hazardous materials were removed prior to facility demolition; freon, oils, lights, batteries, and Category I asbestos containing materials (ACM). ACM was removed by certified asbestos workers. Hazardous material removal and waste disposition was performed in accordance Removal Action Work Plan for 300 Area Facilities, DOE/RL-2004-77, Rev. 2.

Demolition: Demolition of the above-grade portions of 3718E and 3718G were completed in June, 2008. Below-grade demolition of the slab and foundation for both buildings were initially deferred because of the presence of the 316-3 waste site (reference D4-300-034). However, subsequent intrusive investigation of the 316-3 waste site determined remediation was not required, which eliminated the interference for removing both buildings slabs and foundations. Below-grade demolition of 3718E and 3718G was completed in February of 2013. The excavation area was backfilled to grade with clean fill on March 28, 2013. Above-grade building and slab debris from demolition were removed and disposed of at ERDF. The demolition was performed under Radiological and Industrial Hygiene controls.

Description of Deferral (as applicable):

N/A

Section 2: Underlying Soil Status

- ☐ No waste site(s) present. No additional actions anticipated.
- ☒ Documented waste site(s) present. Cleanup and closeout to be addressed under Record of Decision.
- ☐ Potential waste site discovered during D4 operations. Waste site identification number <to be> assigned.
- Cleanup and closeout to be addressed under Record of Decision.

Description of Current/As-Left Conditions:

All above-grade structures and foundations were removed. Excavations were backfilled to grade with clean fill. GPERS surveys were performed prior to backfill. No radiological or Industrial Hygiene postings remain.

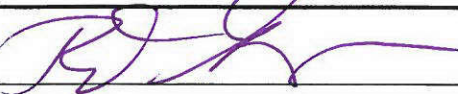
Identification of Documented Waste Site(s) or Nature of Potential Waste Site Discovery (as applicable):

The 316-3 Waste Site underlies both the 3718E and 3718G Buildings. The waste site was reclassified as No Action prior to removal of the slabs and foundations (Waste Site Reclassification Form 2012-099).

Section 3: List of Attachments

1. Facility information (building history and characterization).
2. Project photographs.
3. GPERS Surveys of the 3718E and 3718G excavations.

FACILITY STATUS CHANGE FORM

		<u>4/2/13</u>
DOE-RL <u>Larry Gadbois</u>		Date <u>April 8, 2013</u>
Lead Regulator	<input checked="" type="checkbox"/> EPA <input type="checkbox"/> Ecology	Date

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Sample Design/Cleanup Verification: Theresa Howell, H4-22

FR Engineering: Eric Ison, L6-06

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Attachment 1: Facility Information

Building Histories:

3718E and 3718G Storage Buildings

The 3718E and 3718G Buildings were located in the southeast corner of the 300 Area, immediately north of the 324 Building. Both structures provided storage space for equipment and materials used in the 324 Building.

The 3718E Building was an open truss structure with sheet metal siding and roof that rested on a 2.5 foot high concrete foundation wall with a floor consisting of a concrete slab. The footprint of the 3718E Building encompassed 3,000 square feet.

The 3718G building was a rectangular one-story, all-metal pre-manufactured building erected on concrete foundations and slab. The footprint of the 3718G Building encompassed 4,000 square feet.

Demolition of the above-grade portions of both buildings was completed in June 2008. Demolition of the slabs and below-grade foundations for each was deferred to pending investigation of the 316-3 waste site that underlies both buildings. The 316-3 was a candidate waste site and underwent investigation sampling in August and September of 2012. Sample results demonstrated the site met 300-FF-2 remedial action goals. The 316-3 waste site was subsequently reclassified as "No Action" in accordance with Waste Site Reclassification Form 2012-099. Reclassification of the waste site eliminated the interference to removing the 3718E and 3718G slab and foundation, which were demolished in February of 2013.

3718E and 3718G Characterization

Table 1 summarizes the industrial hygiene, radiological control, and asbestos samples collected prior to demolition. Note: complete scoping surveys and characterization sampling was conducted prior above-grade demolition; reference D4-300-034.

Table 1. Summary of Characterization Surveys

Type	Date	Documented In	Results Summary
Asbestos	June 7, 2006	CCN # 128135	Category I ACM identified in several forms (flooring and mastics). No ACM present during slab removal.
IH Surveys and Beryllium Characterization	April 17, 2012	CCN# 165171 (slabs only)	IOM noted results of previous building characterization demonstrated Be and other contaminants of concern below action levels.
Radiological Surveys	September 19, 2010	RSR-300PS-10-2691	One fixed contamination area remained on the 3718E slab.

Associated WIDS sites:

No WIDS sites were associated with either 3718E or 3718G operations. However, the no-action 316-3 waste site (307 Disposal Trenches) lies below both of the former buildings foundations.

Anomalies Discovered During Demolition.

No anomalies were discovered during slab removal. However, an asphalt apron was encountered approximately two feet below both slabs. The asphalt was left in place.

Soils beneath the slab and foundation displayed no visual evidence of staining or discoloration. A final GPERS survey of the excavation following below-grade demolition identified no radiological contamination.

Attachment 2: Project Photographs

**Photograph 1: 3718E (left) and 3718G (right) Buildings,
looking north, July 26, 1985.**



3718E AND 3718G
FACILITY COMPLETION

**Photograph 2. 3718E (left) and 3718G (right) slabs,
looking north on September 16, 2009.**



Photograph 3. 3718E and 3718G common excavation looking east, March 7, 2013.



3718E AND 3718G
FACILITY COMPLETION

**Photograph 4. 3718E and 3718G site backfilled, looking southwest
on April 1, 2013.**



**Attachment 3: GPERS Surveys of the Common 3718E
and 3718G Excavation Prior to Backfill
(Beta and Gamma Tracks)**



Site View

Bkg Location
1120 m SSE
281 cpm

Copy

Legend

NET CPM

- × <421
- 421 - 5000
- 5000 - 10000
- 10000 - 25000
- 25000

Summary Statistics

Coverage File: DD4085.A
Number of Data Pnts: 308
Type of Survey: beta
Max GCPM: 637
Avg Bkg CPM: 281
Survey Date: 3/26/2013
Area Surveyed: 1,120 m²
Project File: ESRFRM130033B
Pdf File: ESRFRM130033BC

300 D4 3718E, G Slab GPERS Radiological Survey Beta Track Map

0 2 4 6 8 10
Meters



Survey Map Prepared By Bruce Coomer, ESI



Site View

Bkg Location
1120 m SSE
1261 cpm

Copy

Legend

NET CPM

- × <1891
- 1891 - 5000
- 5000 - 10000
- 10000 - 25000
- 25000

Summary Statistics

Coverage File: DD4085.A
Number of Data Pnts: 4248
Type of Survey: gamma
Max GCPM: 1984
Avg Bkg CPM: 1261
Survey Date: 3/26/2013
Area Surveyed: 1,120 m²
Project File: ESRFRM130033G
Pdf File: ESRFRM130033GC

300 D4 3718E, G Slab GPERS Radiological Survey Gamma Track Map

0 2 4 6 8 10
Meters



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Survey Map Prepared By Bruce Coomer, ESI